

rough, due to thickening of the skin; cavity none or practically none; apex flattened and frequently depressed for a distance of one-half inch from the stigmatic point; surface varying from smooth to rather coarsely pitted; color varying from yellowish green to greenish yellow early in the season, becoming entirely yellow later on and bright orange yellow when fully ripe; skin one-eighth to one-fourth inch thick, usually thickest around the base of the fruit, the oil glands large and abundant; segments eleven to thirteen, rag extremely tender, but core very large, frequently one-fourth inch in diameter at center of fruit, usually solid; flesh light orange, tender, very juicy; flavor never mawkish nor insipid, always sprightly, subacid, with plenty of character, probably as good as the Bahia navel and with greater acidity; quality very good; seeds variable in number, ranging from 1 to 20, but commonly about twelve perfect ones and six abortive or undeveloped ones, in size rather large, varying from one-half to one-fourth inch in length. It is a common occurrence to find rudimentary navels in 'selecta' oranges from trees which ordinarily produce normal fruits. This phenomenon is so common that in some lots of fruit examined in the Rio de Janeiro markets as many as ten per cent showed rudimentary navels, of varying stages of development. In some instances the navels are as large as in the average navel orange. Natives of Rio de Janeiro generally consider the 'selecta', as grown in that locality, superior to the navel orange as grown at Bahia. The Bahianos, of course, do not admit this, but the fact remains that 'selecta' as grown in Rio de Janeiro is somewhat more highly flavored than the Bahia Navel. Both for this and for other reasons it seems important that 'selecta' be given a thorough trial in the orange growing sections of the United States." (Dorsett, Popenoe, and Shamel introduction.)

*Citrus sinensis*. (Rutaceae.) 37843. Plants of the 'laranja da pera' orange from Rio de Janeiro, Brazil. Purchased of Eickhoff, Carneiro Leao & Co. "This variety is distinguishable from 'selecta' by its elongated form, smaller size, thinner skin, and sweeter flavor. It is extensively cultivated in the vicinity of Rio de Janeiro, especially at Maxambomba and in the neighborhood of Cascadura. While it is not pyriform in shape as the name 'pear orange' would indicate, it is usually oval, and as seen in the markets is rarely more than three inches in diameter. Ripening at the opposite season of the year from 'selecta' the two do not usually compete in the markets. The typical fruit may be described as follows: Form broadly oval to nearly spherical; cross section